

1st Page Section 1

The section is reserved for Cover, TOCs, Acknowledgements, etc.

Table of Contents

1 DEVELOPING THE PLAN	1
1.1 Introduction	1
1.2 Why Update Now?	1
1.2.1 Past Accomplishments	2
1.2.2 New Vision of Fremont Complete Streets.....	2
1.2.3 Innovative Bicycle Planning & Design	3
1.3 Plan Development and Community Involvement.....	4
1.4 Related Plans and Policies.....	5
1.4.1 Regional Plans	6
1.4.2 County Plans	7
1.4.3 Fremont and Neighboring Local Jurisdictions Plans.....	8
2 GOALS AND POLICIES	13
2.1 Goals, Policies, and Actions	13
3 BICYCLING IN FREMONT TODAY	22
3.1 Fremont Today.....	22
3.2 Bicycling Conditions in Fremont.....	24
3.2.1 Bicycling Demand Today.....	24
3.2.2 Bicycle Safety	25
3.2.3 Existing Infrastructure.....	31
3.2.4 Bicycle Comfort and Level of Traffic Stress Analysis.....	54
3.2.5 Connections to Neighboring Communities	60
3.2.6 Connections to Transit.....	61
3.2.7 Safe Routes to Schools	63
3.2.8 Bicycle Parking	64
3.3 Existing Conditions Outreach.....	67

3.3.1 Needs Assessment Interactive Webmap.....	67
3.3.2 Community Workshop	70
4 BICYCLE NETWORK AND PRIORITIZATION.....	71
4.1 Bicycle Facility Types.....	71
4.2 All Ages and Abilities Vision Network.....	75
4.2.1 Citywide Programmatic Engineering Improvements	85
5 FIVE YEAR PROJECT LIST	87
5.1 Comprehensive Trail Feasibility Studies.....	87
5.2 Dumbarton Bridge to Quarry Lakes Trail.....	92
5.3 Central-Peralta	98
5.4 Walnut-Sundale.....	103
5.5 Grimmer.....	107
5.6 Fremont-Washington	112
5.7 Niles-City Center-Mission.....	120
5.8 Warm Springs	126
5.9 Stevenson.....	130
5.10 Paseo Padre	134
5.11 Opportunistic Low Stress Bikeway Projects.....	137
5.12 Freeway Interchanges, Bridges, and Spot Improvement Projects.....	140
6 SUPPORT PROGRAMS.....	143
6.1 Safe Routes to School	143
6.2 Adult Education	144
6.3 Adult Encouragement	146
6.4 Enforcement.....	147
6.5 Evaluation.....	148
7 IMPLEMENTATION	150
7.1 Action Plans.....	151

7.2 Performance Measures	156
7.3 Cost of the Plan	157
7.4 Maintenance Costs	158
7.5 Funding	159
A. DESIGN GUIDELINES.....	163
B. BICYCLE IMPROVEMENT NETWORK PROJECT LIST.....	185
C. BICYCLE FORECAST	199
D. ALAMEDA CTC BICYCLE MASTER PLAN GUIDELINES	200
E. FUNDING SOURCES	202

List of Figures

Figure 3-1: Existing Land Use	23
Figure 3-2: Reported Bicycle Collisions (2012-2016)	28
Figure 3-3: Existing Bikeway Classifications.....	32
Figure 3-4A: Existing Citywide Bicycle Network.....	33
Figure 3-4B: Existing Bicycle Network – Northwest.....	34
Figure 3-4C: Existing Bicycle Network – Northeast	35
Figure 3-4D: Existing Bicycle Network – Southeast.....	36
Figure 3-5: Level of Traffic Stress.....	59
Figure 3-6: Existing Transit Routes.....	62
Figure 3-7: Existing Bicycle Parking	66
Figure 3-8: Public Outreach Existing Conditions Workshop and Webmap Comments Summary	69
Figure 4-1A: Bicycle Facility Types.....	73
Figure 4-1B: Bicycle Facility Types	74
Figure 4-2A: All Ages and Abilities Vision Network	81
Figure 4-2B: All Ages and Abilities Vision Network.....	82
Figure 4-2C: All Ages and Abilities Vision Network	83
Figure 4-2D: All Ages and Abilities Vision Network	84
Figure 5-1: Comprehensive Trail Feasibility Study.....	91
Figure 5-2: Dumbarton Bridge to Quarry Lakes Trail.....	97
Figure 5-3: Central-Peralta Proposed Project	102
Figure 5-4: Walnut-Sundale Proposed Project.....	106
Figure 5-5: Grimmer Proposed Project.....	111

Figure 5-6: Fremont Proposed Project	119
Figure 5-7: Niles-City Center-Mission Proposed Project	125
Figure 5-8: Warm Springs Proposed Project	129
Figure 5-9: Stevenson Proposed Project	133
Figure 5-10: Paseo Padre Proposed Project.....	136

List of Tables

Table 3-1: Fremont Bicycle Mode Share Today	25
Table 3-2: Fremont Collision Rankings Among Similar Cities, 2013	26
Table 3-3: Locations with the Highest Frequency of Bicycle Collisions in or Near Intersections	29
Table 3-4: Violation Category of Bicycle Collisions	30
Table 3-5: Bicyclist Injury Severity	31
Table 3-6: Existing Class I Paths	37
Table 3-7: Existing Class II Bicycle Lanes.....	41
Table 3-8: Existing Class III Bicycle Routes	46
Table 3-9: City of Fremont Municipal Code Bicycle Parking Standards	65
Table 4-1: Vision Network Corridors/Projects	77
Table 4-2: Citywide Programmatic Engineering Improvements.....	85
Table 5-1: AAA Backbone Projects.....	87
Table 5-2: Dumbarton Bridge to Quarry Lakes Trail	93
Table 5-3: Central-Peralta Recommendations.....	99
Table 5-4: Walnut-Sundale Recommendations	104
Table 5-5: Grimmer Recommendations	108
Table 5-6: Fremont-Washington Recommendations	113
Table 5-7: Niles-City Center-Mission Recommendations	121
Table 5-8: Warm Springs Recommendations	127
Table 5-9: Stevenson Recommendations	131
Table 5-10: Paseo Padre Recommendations.....	135
Table 5-11: Additional Near-Term Low-Stress Bikeway Projects	137

Table 5-12: Freeway Interchanges, Bridges, and Spot Improvement Recommendations	141
Table 7-1 Near-Term Implementation Plan	152
Table 7-2: General Implementation Recommendations	154
Table 7-3: Primary Performance Measures.....	156
Table 7-4: Estimated Cost of the Plan	157
Table 7-5 Citywide Estimate Annual Maintenance Costs	159
Table C-1: Fremont Bicycle Mode Share Today.....	199